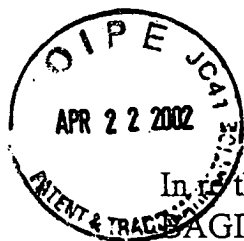


PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the patent of  
MAGINSKI, Thomas A. et al.

For: **ELECTRO-EXPLOSIVE DEVICE WITH  
LAMINATE BRIDGE**

Application No.: 09/656,523

Filing Date: September 7, 2000

Our Docket No.: 37073-0009

) Group Art Unit: 3641

) Examiner: T. Chambers

) Customer No. 25213

) **POWER OF ATTORNEY**  
) **AND REVOCATION OF**  
) **PRIOR POWERS**

Commissioner for Patents  
Washington, D.C. 20231

**RECEIVED**

APR 24 2002

Dear Sir:

**GROUP 3600**

The undersigned assignees, each being assignee of an undivided one-half interest in the above-identified application, hereby revoke all powers of attorney previously given and hereby appoint the practitioners at Customer Number 25213 as its attorneys and agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

LifeSparc, Inc. and Auburn University state that they are each the assignee of an undivided one-half interest in the application identified above by virtue of the assignment documents attached hereto.

The undersigned is authorized to act on behalf of the assignee.

Assignee: LifeSparc, Inc.

Signature: \_\_\_\_\_

Name: Kevin Haines

Title: President & COO

Date: \_\_\_\_\_

Assignee: Auburn University

Signature: C. Moriarty

Name: C. Michael Moriarty

Title: Associate Provost and V.P. for Research

Date: 3/20/02

335480 v01.SV (76%W01!.DOC)  
03/18/02 5:22 PM



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the patent of  
BAGINSKI, Thomas A. et al.

For: **ELECTRO-EXPLOSIVE DEVICE WITH  
LAMINATE BRIDGE**

Application No.: 09/656,523

Filing Date: September 7, 2000

Our Docket No.: 37073-0009

) Group Art Unit: 3641  
)  
) Examiner: T. Chambers  
)  
) Customer No. 25213  
)

) **POWER OF ATTORNEY**  
) **AND REVOCATION OF**  
) **PRIOR POWERS**

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Washington, D.C. 20231

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APR 24 2002

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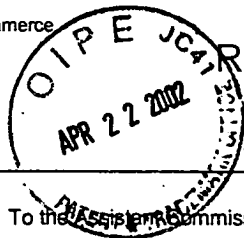
LifeSparc, Inc. and Auburn University state that they are each the assignee of an undivided one-half interest in the application identified above by virtue of the assignment documents attached hereto.

The undersigned is authorized to act on behalf of the assignee.

Assignee: LifeSparc, Inc.  
Signature: *Kevin Haines*  
Name: Kevin Haines  
Title: President & COO  
Date: March 20, 2002

Assignee: Auburn University  
Signature: \_\_\_\_\_  
Name: C. Michael Moriarty  
Title: Associate Provost and V.P. for Research  
Date: \_\_\_\_\_

335480 v01.SV (76%W011.DOC)  
03/19/02 7:27 AM



RECORDATION FORM COVER SHEET  
PATENTS ONLY

**FILE**

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

*8/Assignment  
4/30/02  
Heller*

1. Name of conveying party(ies):

(1) QUANTIC INDUSTRIES, INC.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Company: LIFESPARC, INC.

Street Address: 2751 San Juan Road

City/State/Zip: Hollister, CA 95023

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Change of Name  
☐ Security Agreement ☐ Merger  
☐ Other:

Execution Dates: (1) 9/13/2000

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APR 24 2002

**GROUP 3600**

4. Application number(s) or patent number(s)

Attorney Docket No. 37073-0004

Patent Application(s): U.S. Utility Patent Application Entitled: "Electro-Explosive Device With Laminate Bridge"  
Filed 9/7/2000, and US Serial No.: 09/656,523

If this document is being filed together with a new application, the execution date of the application is \_\_\_\_\_

A. Patent Application No. \_\_\_\_\_ B. Patent No.(s): \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: William Schmonsees  
Company: Heller Ehrman White & McAuliffe, LLP  
Street Address: 275 Middlefield Road  
City/State/Zip: Menlo Park, CA 94025-3506

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☒ Enclosed  
☒ Authorized deficiencies be charged to Deposit Account

8. Deposit Account Number: 08-1641  
(Reference No. 37073-0004)

DO NOT USE THIS SPACE

9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William Schmonsees  
Name of Person Signing

31.796  
Reg. No.

Signature

11/8/01  
Date

## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (the "Assignment") is made as of the 13th day of September, 2000, by QUANTIC INDUSTRIES, INC., a Delaware corporation ("Seller"), in favor of LIFESPARC, INC., a Delaware corporation ("Buyer").

### RECITALS

A. Seller and Buyer have entered into an Asset Purchase Agreement dated as of September 7, 2000 (the "Agreement"), pursuant to which Buyer shall purchase from Seller, and Seller shall sell to Buyer, substantially all of the assets of Seller's Automotive Device Business as that term is defined in Agreement.

B. For good and valuable consideration, the adequacy and receipt of which is hereby acknowledged by Seller, Seller desires to grant this Assignment to comply with the Agreement.

### SELLER AGREES AS FOLLOWS:

1. Assignment of Patents of Seller.

Seller does hereby sell, convey, assign, transfer, and deliver to Buyer, its successors and assigns, all of Seller's right, title and interest in and to the United States patents and patent applications set forth below:

UNITED STATES PATENT #4,729,315  
UNITED STATES PATENT #5,647,924  
UNITED STATES PATENT #5,648,634  
UNITED STATES PATENT #5,711,531  
UNITED STATES PATENT #5,728,964  
UNITED STATES PATENT #5,763,814  
UNITED STATES PATENT #5,912,427

U.S. Provisional Patent Application Serial No. 60/214, 659 Entitled  
COAXIAL CONNECTOR SYSTEM, Filed June 28, 2000 and

U.S. Utility Patent Application Entitled ELECTRO-EXPLOSIVE DEVICE  
WITH LAMINATE BRIDGE, Filed September 7, 2000 (Serial not yet assigned)

2. **No Rights in Third Parties.**

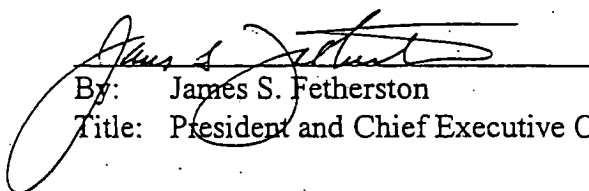
Nothing expressed or implied in this Assignment is intended to confer upon any person, other than the parties to the Agreement and their respective successors and assigns, any rights, remedies, obligations or liabilities under or by reason of this Assignment.

3. **Successors and Assigns.**

This Assignment is executed pursuant to the Agreement and is entitled to the benefits thereof and shall be binding upon and inure to the benefit of Seller and Buyer and their respective successors and assigns.

IN WITNESS WHEREOF, Seller has executed this Assignment on the date first above written.

QUANTIC INDUSTRIES, INC.

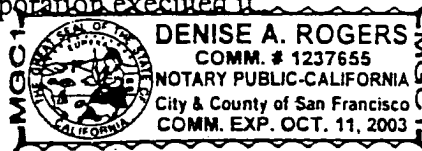
  
By: James S. Fetherston  
Title: President and Chief Executive Officer

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA           )  
  ) ss.  
COUNTY OF San Francisco   )

On this 13 day of September, 2000, before me, Denise A. Rogers, the undersigned Notary Public, personally appeared James S. Fetherston personally known to me (or proved to me on the basis of satisfactory evidence) to be the person who executed the above and foregoing PATENT ASSIGNMENT as Chief Executive Officer, on behalf of the corporation therein named, and acknowledged to me that the corporation executed it.

WITNESS my hand and official seal.



Denise A. Rogers  
Notary Public in and for said State





UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DECEMBER 06, 2000

PTAS

WILSON SONSINI GOODRICH & ROSATI  
BARBARA B. COURTNEY  
650 PAGE MILL ROAD  
FH 1-2  
PALO ALTO, CA 94304-1050



\*101489223A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/07/2000

REEL/FRAME: 011150/0723  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BAGINSKI, THOMAS A.

DOC DATE: 08/21/2000

ASSIGNOR:

PARKER, TODD S.

DOC DATE: 08/22/2000

ASSIGNOR:

FAHEY, WM. DAVID

DOC DATE: 08/26/2000

ASSIGNEE:

QUANTIC INDUSTRIES, INC.  
990 COMMERCIAL STREET,  
SAN CARLOS, CALIFORNIA 94070-4084

ASSIGNEE:

AUBURN UNIVERSITY,  
202 SANFORD HALL  
AUBURN UNIVERSITY, ALABAMA

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GROUP 3600

36849-5112

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GROUP 3600

011150/0723 PAGE 2

SERIAL NUMBER: 09656523  
PATENT NUMBER:

FILING DATE: 09/07/2000  
ISSUE DATE:

DOROTHY RILEY, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

mro 9/7/00



10-17-2000



101489223

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Thomas A. Baginski, Todd S. Parker, Wm. David Fahey  
Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 8/21/00, 8/22/00, 8/26/00

## 2. Name and address of receiving party(ies):

Name: **Quantic Industries, Inc.**Street Address: **990 Commercial Street, San Carlos, CA 94070-4084**and **Auburn University, 202 Samford Hall**City/State/Zip: **Auburn University, AL 36849-5112**

Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No
4. Application number(s) or patent number(s): 09/656523

If this document is being filed together with a new application, the execution date of the application is: September 5, 2000

## A. Patent Application No.(s):

## B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Barbara B. Courtney**  
Internal Address: **FH 1-2**  
Wilson Sonsini Goodrich & Rosati  
650 Page Mill Road  
Palo Alto, CA 94304-1050

## 6. Total number of applications and patents involved: [1]

## 7. Total fee (37 CFR 3.41) ..... \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number: 23-2415  
(Attorney Docket No.: 14237-752)**DO NOT USE THIS SPACE**

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Barbara B. Courtney  
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: [3]

10/13/2000 AHMED1 00000072-232415 09656523

01 FC:581

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APR 24 2002

**GROUP 3600**

## ASSIGNMENT OF APPLICATION

Docket Number 14237-752

Whereas, the undersigned:

- |   |  |   |
|---|--|---|
| 1. Baginski, Thomas A.<br>1491 Cambridge Circle<br>Auburn, AL 36832 | 2. Parker, Todd S.<br>371 Paul Drive<br>Hollister, CA. 95023 | 3. Fahey, Wm. David<br>10903 Canyon Vista Drive<br>Cupertino, CA. 95014 |
|---|--|---|

hereinafter termed "Inventors", have invented certain new and useful improvements in

**ELECTRO-EXPLOSIVE DEVICE WITH LAMINATE BRIDGE**

- ☐ for which an application for United States Patent was filed on \_\_\_\_, Application No. \_\_\_\_
- ☒ for which an application is enclosed herewith, and

WHEREAS, Quantic Industries, Inc., a corporation of the State of Delaware, having a place of business at 990 Commercial Street, San Carlos, California 94070-4084, and Auburn University, a university duly established and organized under the laws of the State of Alabama, with offices located at 202 Samford Hall, Auburn University, Alabama, 36849-5112 ("Auburn"), (hereinafter termed "Assignees"), are desirous of acquiring, jointly and severally, the entire right, title and interest in and to the above-referenced patent application (hereinafter termed "the Application") and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "the Invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "the Patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignees:

1. Inventors do hereby sell, assign, transfer and convey unto Assignees the entire right, title and interest (a) in and to the Application, the Invention, and the Patents; (b) in and to all rights to apply for foreign patents on the Invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on the Invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said any and all applications; and (d) in and to each and every reissue or extensions of any of the patents of sections (b) and (c).

2. Inventors hereby jointly and severally covenant and agree to cooperate with Assignees as necessary to enable Assignees to enjoy to the fullest extent the right, title and interest herein conveyed herein in the United States and foreign countries. Such cooperation by Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and any other assistance to the extent deemed necessary or desirable by Assignees (a) for perfecting in Assignees the right, title and interest herein conveyed; (b) for prosecuting any of the applications of paragraph 1; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering the Invention; (d) for filing and prosecuting applications for reissuance of any the patents of paragraph 1; (e) for interference or other priority proceedings involving the Invention; and (f) for legal proceedings involving the Invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by Inventors in providing such cooperation shall be paid for by Assignees.

3. The terms and covenants of this assignment shall inure to the benefit of Assignees, their successors, assigns and other legal representatives, and shall be binding upon Inventors, their respective heirs, legal representatives and assigns.

4. Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, Inventors have executed and delivered this instrument to Assignees as of the dates written below:

Date: \_\_\_\_\_

Thomas A. Baginski

Date: 8/22/00

Todd S. Parker

Date: 8/26/00

Wm. David Fahey

## ASSIGNMENT OF APPLICATION

Docket Number 14237-752

Whereas, the undersigned:

- |   |  |   |
|---|--|---|
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|---|--|---|

hereinafter termed "Inventors", have invented certain new and useful improvements in

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2. Inventors hereby jointly and severally covenant and agree to cooperate with Assignees as necessary to enable Assignees to enjoy to the fullest extent the right, title and interest herein conveyed herein in the United States and foreign countries. Such cooperation by Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and any other assistance to the extent deemed necessary or desirable by Assignees (a) for perfecting in Assignees the right, title and interest herein conveyed; (b) for prosecuting any of the applications of paragraph 1; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering the Invention; (d) for filing and prosecuting applications for reissuance of any the patents of paragraph 1; (e) for interference or other priority proceedings involving the Invention; and (f) for legal proceedings involving the Invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by Inventors in providing such cooperation shall be paid for by Assignees.

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4. Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, Inventors have executed and delivered this instrument to Assignees as of the dates written below:

Date: 8/21/00

Thomas A. Baginski  
Thomas A. Baginski

Date: \_\_\_\_\_

\_\_\_\_\_  
Todd S. Parker

Date: \_\_\_\_\_

\_\_\_\_\_  
Wm. David Fahey